Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/09/2016 12:18 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124133	-1	1.60	124059	1.54
Blue	F	SSC	125000	123383	-2	3.04	124010	2.86
Blue	E	FITC	22946	22480	-3	2.36	994	9.63
Blue	D	PE	28770	28073	-3	1.92	1007	8.93
Blue	B	PerCP-Cy5-5	51099	50805	-1	3.20	1461	15.66
Blue	A	PE-Cy7	42312	41961	-1	4.83	649	33.75
Red	C	APC	52169	51386	-2	2.78	2981	9.32
Red	A	APC-Cy7	56705	56201	-1	2.86	1163	10.84
Violet	B	V450	14708	14064	-5	3.85	676	8.89
Violet	A	V500	58608	57608	-2	3.64	2552	6.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20040	4.16	596	-2	N/A	N/A	Pass
Blue	F	SSC	61505	1.85	524	6	N/A	N/A	Pass
Blue	E	FITC	114	35.79	533	2	0.0237	121	Pass
Blue	D	PE	221	26.48	528	2	0.1951	236	Pass
Blue	B	PerCP-Cy5-5	230	42.36	625	3	0.0121	145	Pass
Blue	A	PE-Cy7	72	107.83	673	2	0.0130	7	Pass
Red	C	APC	345	27.09	591	1	0.0209	54	Pass
Red	A	APC-Cy7	127	40.07	577	1	0.0062	2005	Pass
Violet	B	V450	81	40.58	466	7	0.0445	1612	Pass
Violet	A	V500	186	21.96	496	8	0.0150	354	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.22	-30.74	0.86
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	16.00	13.27 - 19.91	N/A	N/A	31.08	31.52	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10303

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments